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FILLER FOR INK JET RECORDING SHEET

Abstract:

PURPOSE: To remarkably improve light fastness rigidity of dye dot while ensuring the intrinsic advantages of an amorphous silica by using the silica having specific characteristics as a base, and covering it with a specific amount of compound of group II metal.

CONSTITUTION: Covered particles in which the surfaces of amorphous silica particles having 2 to 25 µm of median diameter measured by a coal tar counter method, 180 ml/100 g or more of oil absorption amount, 1,450 or more of refractive index measured by a solvent method, and 35% or more of moisture absorption amount under the condition that the moisture is absorbed at 90% of relative humidity at 25°C for 200 hours are covered with 0.5 to 20wt.% of compound of group II metal are provided. If the covering amount of the group II metal is more than the specific range, the intrinsic characteristics of the silica tends to be lost, and the circularity of dye dot and the freshness of color are thus lost. If the covering amount is smaller than the specific range, the light fastness is hardly improved.